TRANSMITTAL LETTER (General - Patent Pending)	Docket No. 11147.5

In Re Application Of: Mark Galloway et al.

Application No. 10/624,391	Filing Date July 22, 2003	Examiner Mary K. Zeman	Customer No. 21999	Group Art Unit 1631	Confirmation No. 6825

Title: MERIDIAN LINKING DIAGNOSTIC AND TREATMENT SYSTEM AND METHOD FOR TREATMENT OF MANIFESTED AND LATENT MALADIES USING THE SAME

TO THE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE:

Transmitted herewith is:

Response to Request for Information (3 Pages); Operator's Manual for Asyra (27 Pages); Gtech Website print out for Asyra Research (8 Pages);GTech Website printout listing Asyra Reference Books (1 Page); Certificate of Mailing (1 Page); Postcard (1 Page)

in the above identified application.

- ☒ No additional fee is required.
- ☐ A check in the amount of   is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No.   500843 as described below.
    - ☐ Charge the amount of
    - ☐ Credit any overpayment.
    - ☒ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

    WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

_____
Signature

Dated: May 30, 2006

Michael F. Krieger
Registration No. 35,232
KIRTON & McCONKIE
1800 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

cc:

P16B/REV03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	)	
Mark Galloway et al.	)	
	)	
Serial No.: 10/624,391	)	
	)	Art Unit
Filing Date: July 22, 2003	)	1631
	)	
Title: MERIDIAN LINKING DIAGNOSTIC AND	)	Conf No.
TREATMENT SYSTEM AND METHOD FOR	)	6825
TREATMENT OF MANIFESTED AND	)	
LATENT MALADIES USING THE SAME	)	
	)	
Examining Attorney: Mary K. Zeman	)	

RESPONSE TO REQUEST FOR INFORMATION

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This correspondence is responsive to the Office Action mailed April 25, 2006 for the

above-referenced application.

In the Office Action, the Examiner requested information under 37 C.F.R. 1.105 to

expedite the examination of the application. In response, Applicants submit the following

information: 1) a listing of patent publications of which Applicants are aware that provide

information relating to diagnostic systems and treatment methods using bioelectric signals; 2) a

copy of the Operator's Manual for Asyra®, which is the name of the product incorporating the claimed subject matter and sold by GTech, L.L.C., as described at page 23 line 20-page 24 line 2 of the specification as filed, and which was used in the preparation of the application; and 3) a copy of GTech's website listing research studies in the field; and 4) a copy of GTech's website listing reference books available on homeopathic remedies.

As may be appreciated, the references cited are extraordinarily voluminous, are under copyright of others, are available as indicated in the printouts, and the web page printouts include summaries of the relevance of the materials cited. The Examiner is also welcome to visit GTech's website at www.gtechtnt.com as desired.

The listing of patent publications of which Applicants are aware providing information relating to diagnostic systems and treatment methods using bioelectric signals is:

Publication No.	Publication Date	Inventor/Applicant
US 2004/0204658 A1	Oct. 14, 2004	Dietz et al.
US 2005/0015017 A1	Jan. 20, 2005	Horne et al.
US 2006/0020223 A1	Jan. 26, 2006	Horne et al.

CONCLUSION

Should there be further questions regarding this submission of information or further

impediments to the prompt examination of these claims, the Examiner is invited to contact the

undersigned.

DATED this $\underline{3l}$ day of May, 2006.

Respectfully submitted,

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OPERATOR'S MANUAL

for

Asyra ™

by

GTECH ™

Written by Mark J. Galloway

CONTENTS

GTech

Our company's goals are to deliver high quality products, training, and service. We represent more than 40 years of experience in this field, including development of over 14 systems, development of dozens of protocols, and lectures and training for thousands of practitioners in more than 17 countries.

Joe Galloway holds a degree in electronics, graduating from Weltech college in 1960 at the top of his class. He worked with missile launch control systems for Litton Industries for eight years, and then worked for three years setting up and operating the test department of Evans & Sutherland Computer Corporation. Mr. Galloway later spent nearly four years in heart research and development, during which time he helped design, build, and test numerous devices to monitor the human body's physiological signals. In one form or another, these devices are now used throughout the world to monitor patient condition during surgery. This history—combined with nearly 25 years of design and development experience in the EDS industry—allows Mr. Galloway to contribute a wealth of beneficial knowledge and experience to G-Tech and its clients. Throughout the years, he has helped develop more than 10 systems—including the first computerized EDS system, the Acupath.

Mark Galloway has broad training in electronics, business, and education. His preferred areas of expertise lie in the fields of EDS clinical application, protocol development, software interfaces, education, and training. Having been involved in the EDS field for over 13 years, Mark has developed dozens of protocols and taught them to thousands of doctors and technicians throughout the United States and in more than 17 countries. In on-site clinical settings, he has operated various systems for chiropractic physicians, including Dr. Kelly Jarvis, Dr. David Lane, and Dr. Bryon Rosquist. In addition to serving as Vice President of GTech, he maintains his clinical skills by testing clients at the Alpine Clinic with Dianne Farley-Jones, M.D., Hom.M.D. Over the years, Mark has helped develop three EDS systems, which were designed primarily around his protocols and methodologies. The Asyra™ itself incorporates customized methodologies and techniques honed by his extensive insight into the body's energy systems.

The Asyra™ offers a new paradigm for practitioners in the EDS field, featuring ease-of-use, efficiency, speed, and practical clinical results. During the entire procedure, the Asyra™ system outputs two permanent filters (frequencies) that link all of the body's meridians and stabilizes the data access points located on the hands. The result is an interconnected network linking the internal body systems to the data access points utilized by the Asyra™ system.

The process begins by taking energetic readings at the data access points located on the hands; the computer stores the points that are the most stable (readings between 45–55). After the stable points are obtained, customized filters (frequencies) relating to specific issues (such as chemical toxins, allergies, digestion, etc.) are output. If any of these filters creates a disturbance in any organ of the body, an imbalanced reading on the previously stable data access point will be created.

The system will then automatically load products (remedies) that are useful for restoring homeostasis or balance. You can then quickly scan through these until you identify the product/remedy that will remove the underlying disturbance and allow the client to obtain an improved level of health. The product/remedy is then placed in the hold tank to store your results. The hold tank stores both the filter(s) that created an imbalance/disturbance and the products (remedies) that allow the individual's body to restore homeostasis, balance, or improved health.

Asyra™

The name Asyra literally refers to "the physician or healer who utilizes resonance analysis." The first three letters (Asy) come from an ancient word that means "physician" or "healer." The letters (ra) stand for "resonance analysis," which is the methodology utilized for the filter applications and for scanning for the product/remedy. The filters and products are stored as a digital representation of the effect of the item (resonance signature).

NOTE: Not all data access points can be stabilized. Sometimes the influence of an organ is so strong that it disrupts the ability of the permanent filters (frequencies) to stabilize a specific data access point. These unstable points are disregarded by the Asyra™ and will not be used for any application in the testing process.

Place the Asyra™ CD in your computer's CD drive—it should automatically launch the software installation program. Follow the installation guide by clicking **Yes/Next** until installation is complete.

At the end of the installation, you will be asked to enter your clinic information. Be sure to enter all the clinic information; verify that you typed everything correctly because this information prints at the top of the client results. It takes approximately 5 to 20 seconds to install the program, depending on the speed of your computer. When the Asyra button appears on your monitor, installation is complete and you may remove the installation disc from your CD drive.

If you discover that you've made a mistake when you typed in the clinic information, you can add or change the clinic information when the Asyra™ program is running. From the pull-down menu click on **File**, then click on **View/Modify Clinic Info**. Use the mouse or tab key to navigate the fields and enter/add the correct information. After all the information is entered correctly, click on the **Save** button.
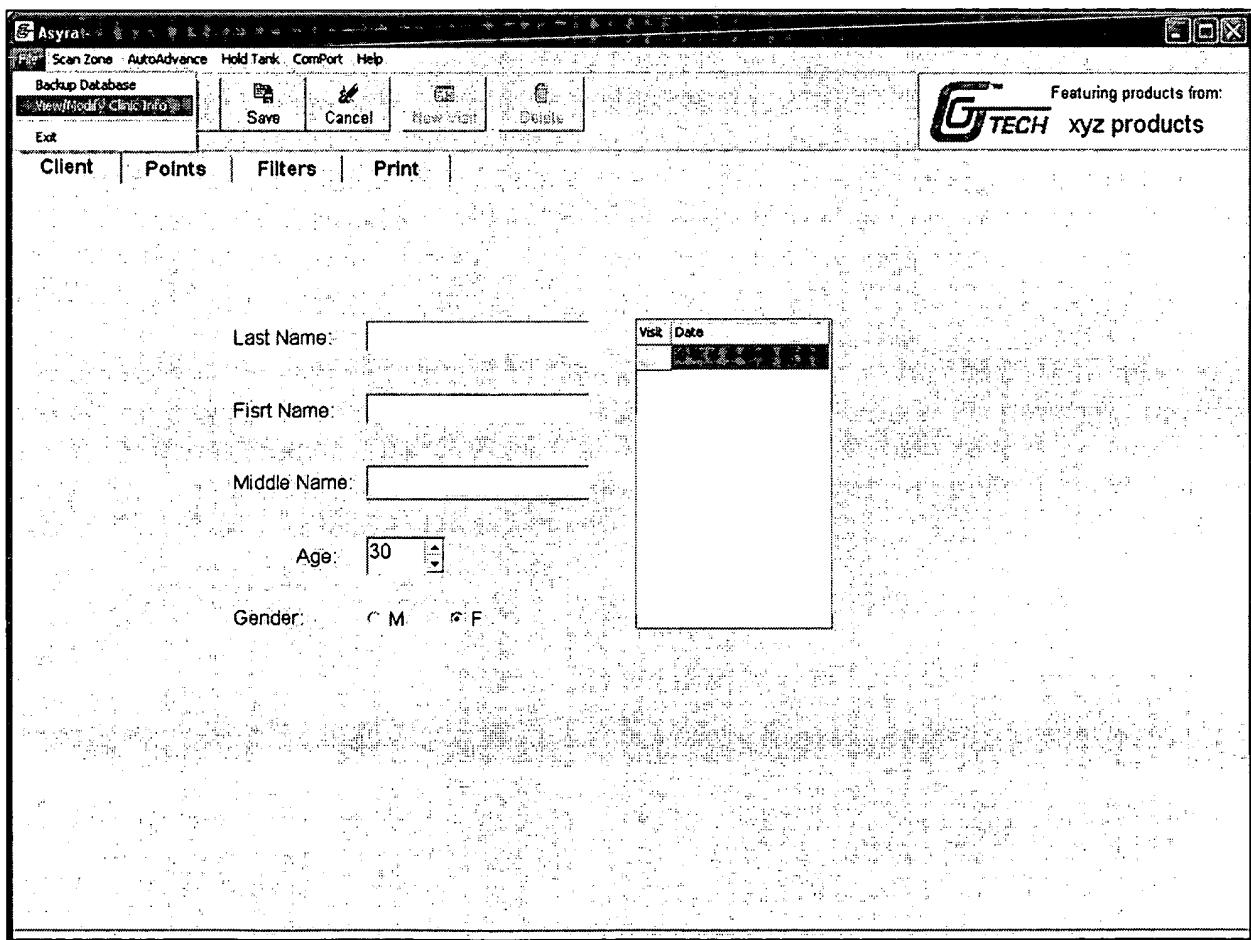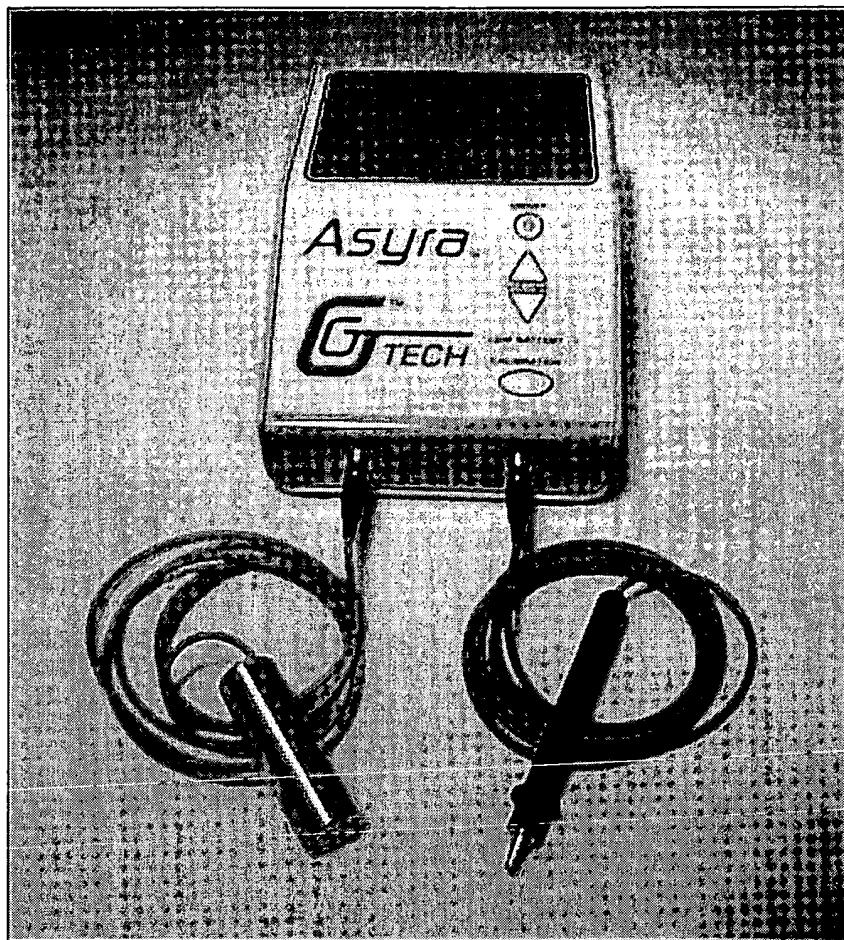
Plug the electrode with the green cord into the socket located just below the green GTech logo. Plug the probe with the blue cord into the socket located just below the blue calibration button.

NOTE: If you plug the probe/electrode into the wrong sockets, an open circuit is created and you will be unable to take any measurements.
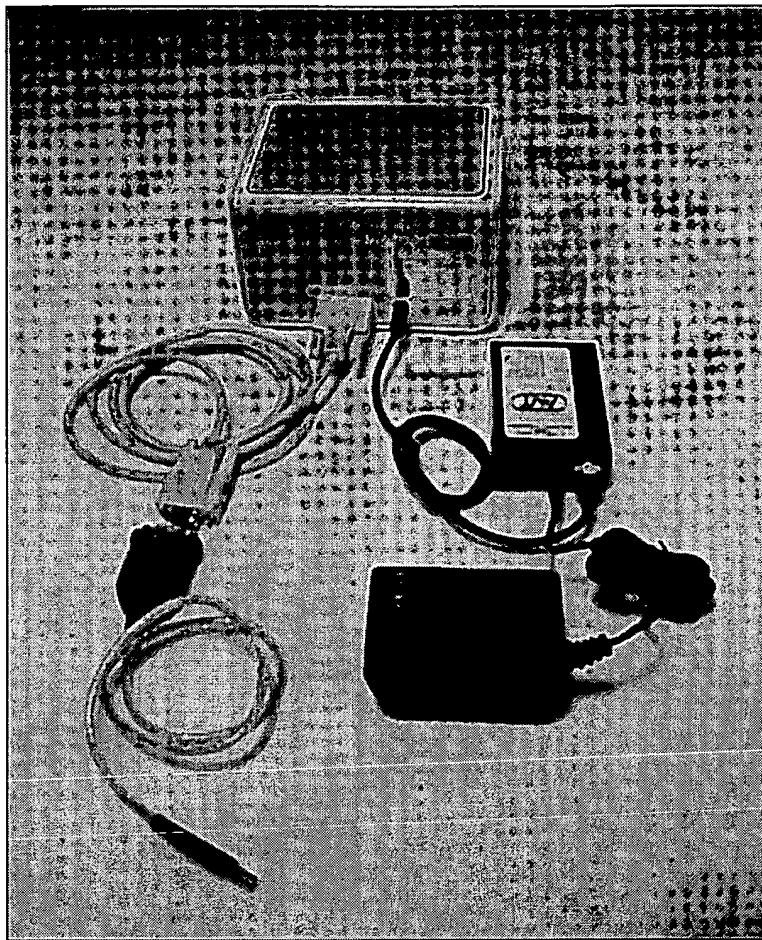
Connect the male end of the 9-pin cable into the back of the Asyra™. Connect the female end of the cable to your computer.

If you are using a USB Port, connect the female end from the 9-pin connector to the USB converter cable, then plug the USB connector into your computer.

To charge the battery, plug the charger into a 120-volt outlet and connect the other end to the back of the Asyra™.

NOTE: When the battery is charging, it physically disconnects the Asyra™ circuitry; you cannot take a measurement until you unplug the charger.

NOTE: The battery has no memory—it can be recharged at any time and still retain full capacity.
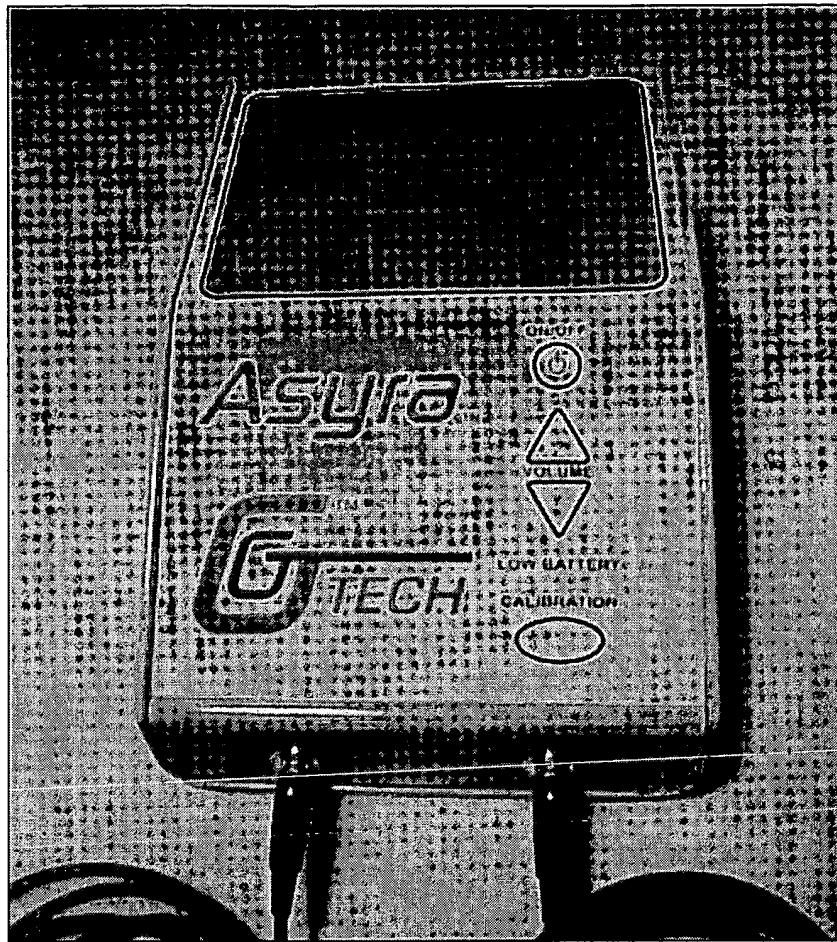
The **On/Off** button supplies power to the Asyra™. If the system is on, the green LED next to the button is illuminated. If the system is off, the LED will be dark.

NOTE: The **On/Off** button will not work unless pressed firmly for one or two seconds. This helps ensure that you do not accidently turn the system off during testing.

The **Volume** button increases/decreases the audio sound of the measurement.

The **Low Battery** indicator will illuminate the yellow LED when your battery is low. Finish taking your client's readings and then plug in the battery charger.

The **Calibration** button ensures that your system is calibrated; however, the Asyra™ self-calibrates every time it is turned on. Unless you physically drop the system, you will not have to use this button.

NOTE: The "beep" sound that identifies the first and last part of a reading is controlled with your computer's volume control.
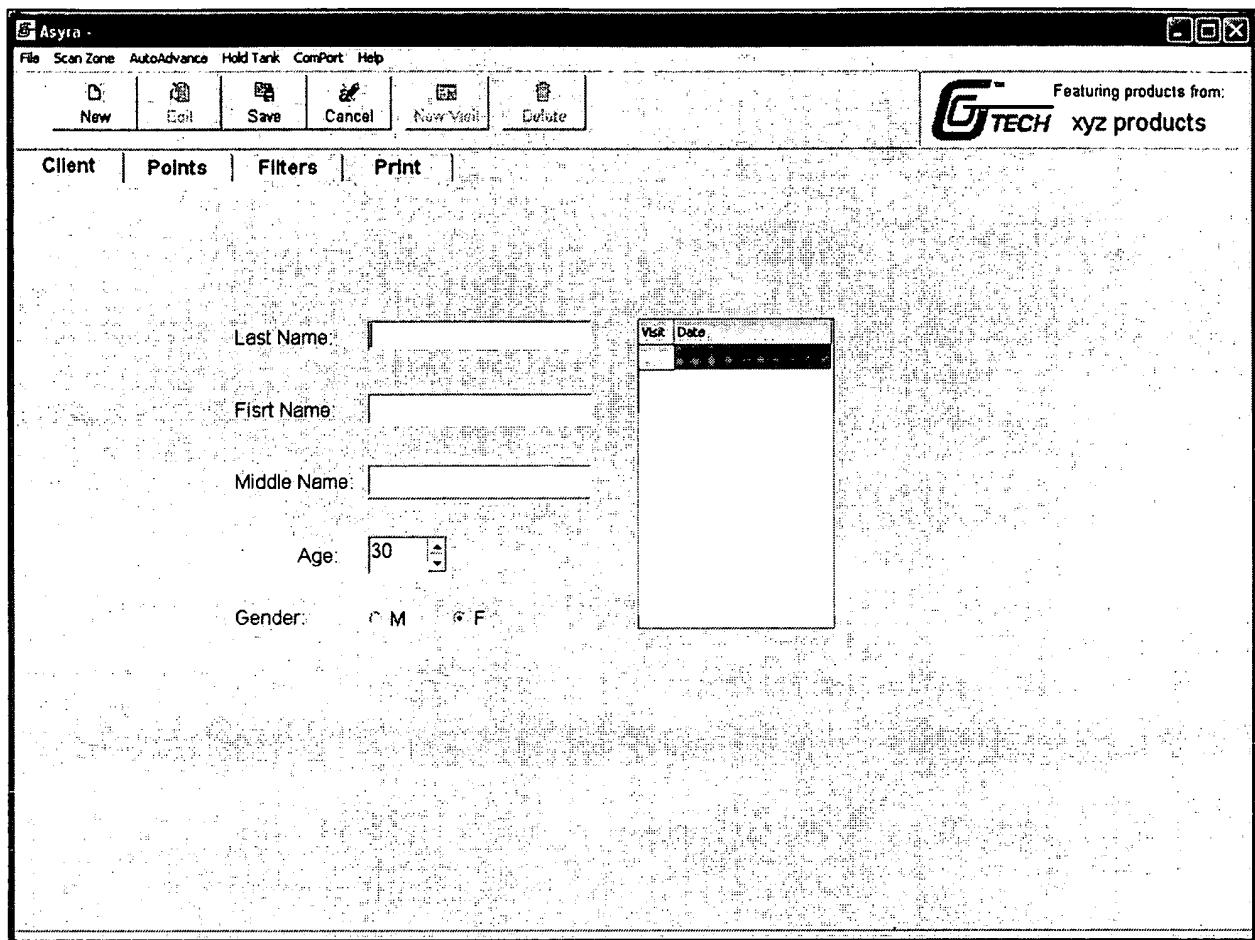
From this area you can enter information for a new client, enter a new visit for an existing client, edit client information, retrieve client data from a previous visit to review and/or print, or delete a client.

To enter a new client into the database click on the **New** button. Then use the **Tab** key or your mouse to move through the various fields. After all the information is entered, click on the **Save** button. You will automatically be moved to the **Points** tab for the next step in the process.

NOTE: The client's name is displayed at the very top of the window, next to the Asyra™ name.

NOTE: If the messages "Unable to establish communication with the Com Port" or "Unable to open Com Port" appear, click on **OK**. We will discuss establishing communication with the Com Port in the Points section of this manual.
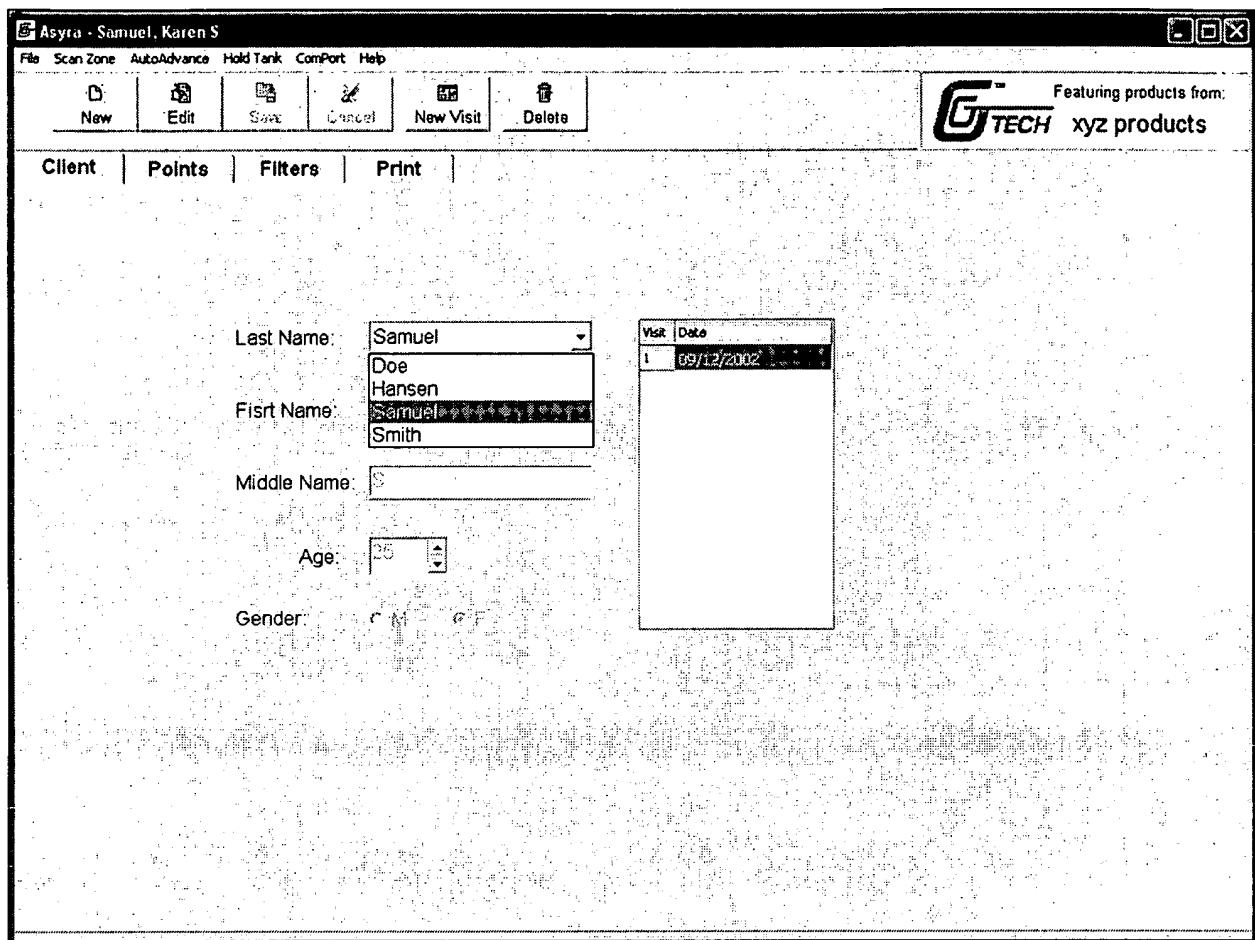
To enter a new visit for an existing client, you can either type the client's last name in the **Last Name** field or click on the pulldown icon next to the Last Name field and select the correct last name. If there is more than one client with the same last name, you will also want to repeat this process in the First Name field and the Middle Name field if necessary.

Once the correct client name(s) have been selected, click on the **New Visit** button. You will automatically be moved to the **Points** tab for the next step in the process.

To **edit** the name, age, or gender of a client, you can either type the client's last name in the Last Name field or click on the pulldown icon next to the Last Name field and select the last name. If there is more than one client with the same last name, you will also want to repeat this process in the First Name field and the Middle Name field if necessary. Then click on the **Edit** button and use your mouse to select the desired field(s) and type in the correct information. Once all the correct information is entered, click on the **Save** button.

To **retrieve** a client's previous visit, type the client's last name in the Last Name field or click on the pulldown icon next to the Last Name field and select the correct last name. If there is more than one client with the same last name you will also want to repeat this process in the First Name field and the Middle Name field if necessary. Next select/click on the desired visit date, then click on the **Print** tab and click on the **Preview** button or **Print** button. You can not add any more data (readings or remedies) to an existing visit.

To **delete** a client's information, you can either type the client's last name in the Last Name field or click on the pulldown icon next to the Last Name field and select the correct last name. If there is more than one client with the same last name, you will also want to repeat this process in the First Name field and the Middle Name field if necessary. Once the correct client name(s) has been selected, click on the **Delete** button.

NOTE: The deleted client information will remain visible until you close the Asyra™ program and restart it.
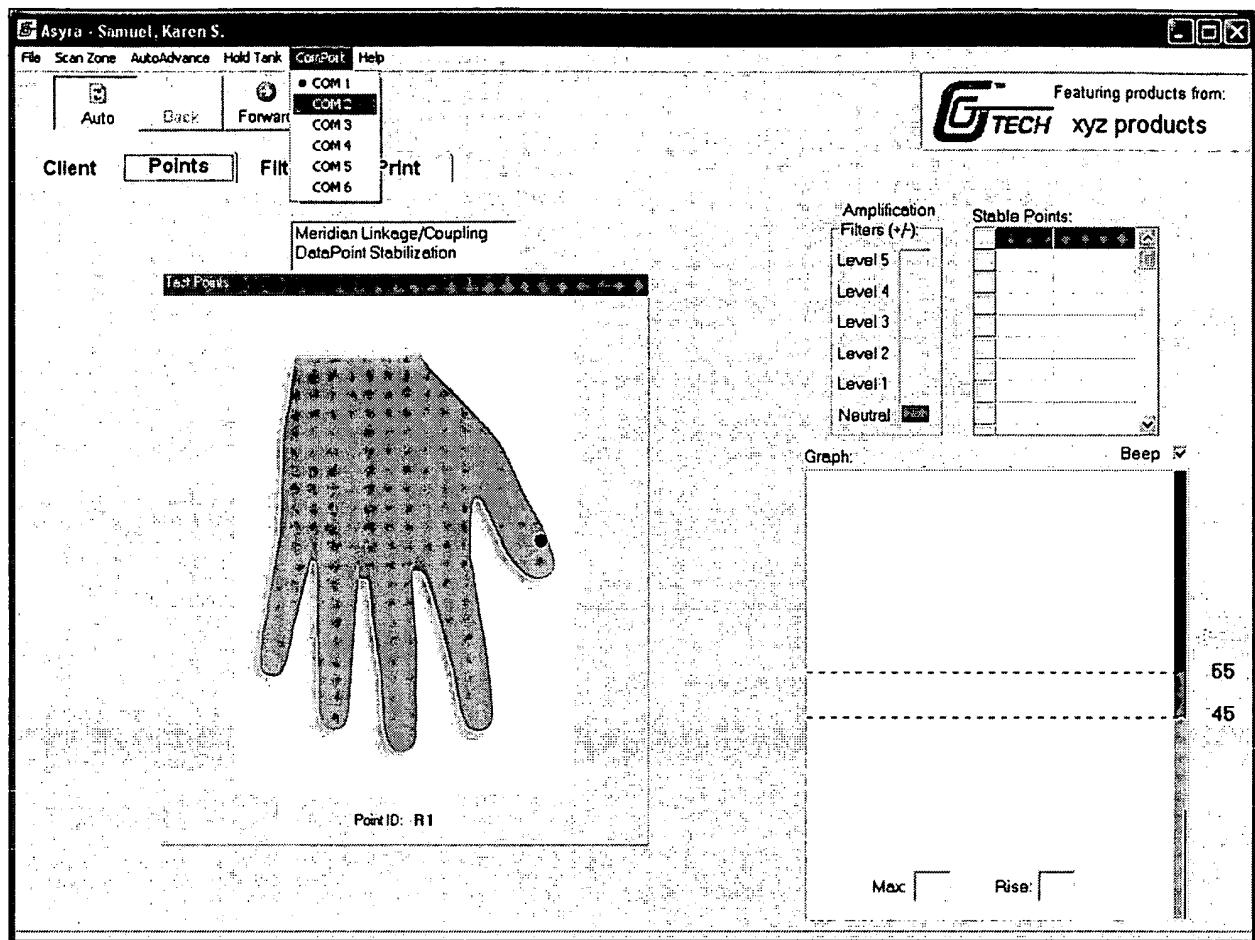
This step must be completed only once—the computer will save the settings.

To establish communication with the correct Com Port use the following procedure:

1. Make sure that the Asyra™ system is turned on and properly connected to your computer. Verify that the probe and electrode are properly connected.
2. Take two readings: if you see a reading on the graph, move to the next page in the manual; if you do not see a reading, move to step 3.
3. From the pulldown menu click on **Com Port** and then click on the next highest Com Port.
4. Repeat step #2.

NOTE: If you are using a USB port, the computer will ask you to install the necessary software when you plug the USB connector into your computer (we will supply this disc and the "USB to 9-pin adapter").
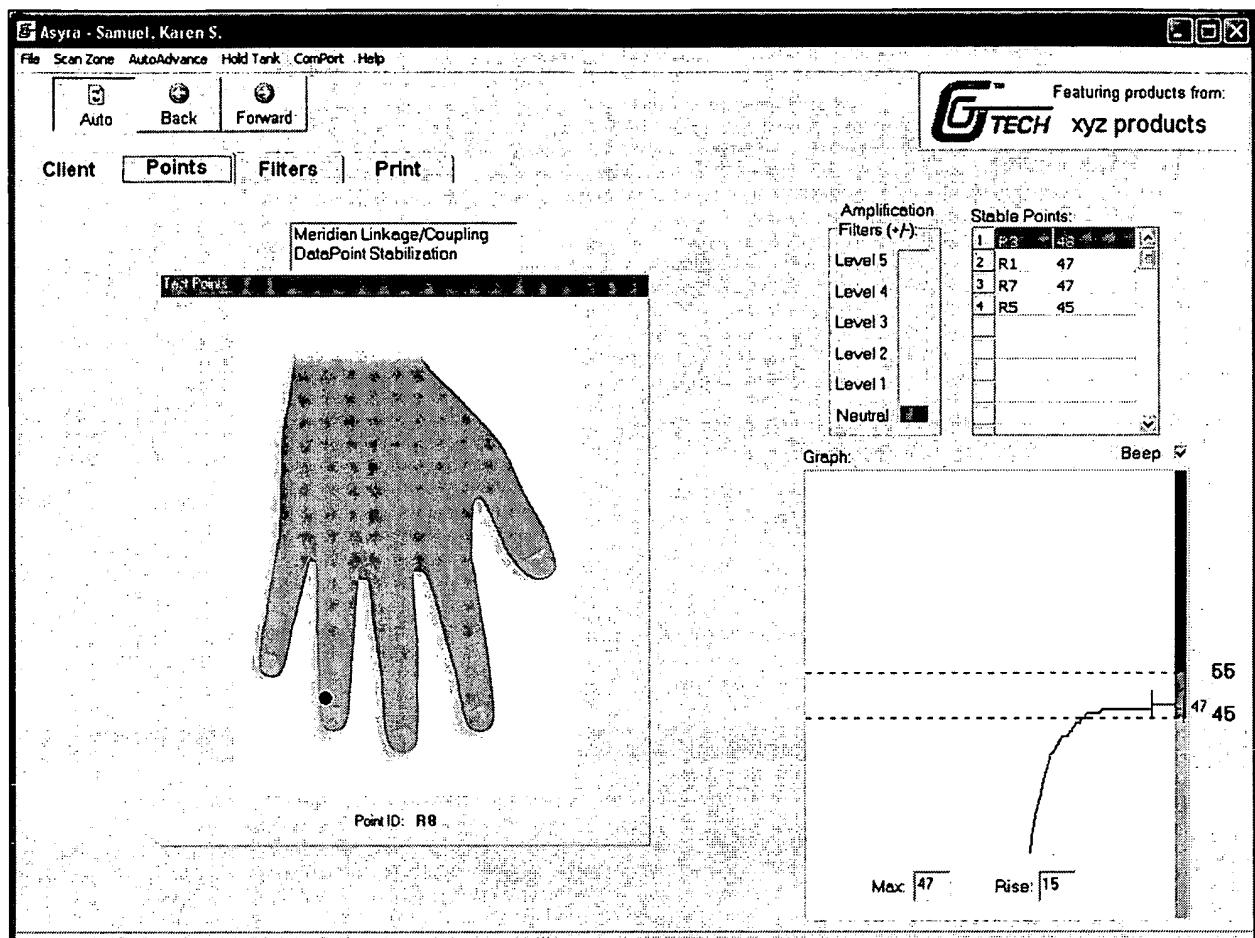
In this section we will take readings on the data access points.

Take a reading from the indicated point. After a reading is taken, the system automatically advances to the next point; the stable data access points (between 45–55) are stored by the computer in the **Stable Points** list—the others will be disregarded. If you want to manually advance through the points, click on the **Auto** button; or from the pulldown menu, click on **AutoAdvance** and then click on **Points** to uncheck this feature. Using either of these methods, you can activate or deactivate the AutoAdvance mode for point testing. (For manual advance, pressing **F12** moves you forward one point, **F11** moves you backward one point.)

You generally need three to five stable points to do filter testing. If you have that many in your Stable Points list, click on the **Filters** tab. However, if you want to measure all the points, continue to take readings. Once the stable point list is full—or you test the last data access point—the computer will let you know that point testing is complete and it will automatically move you to the Filters section.
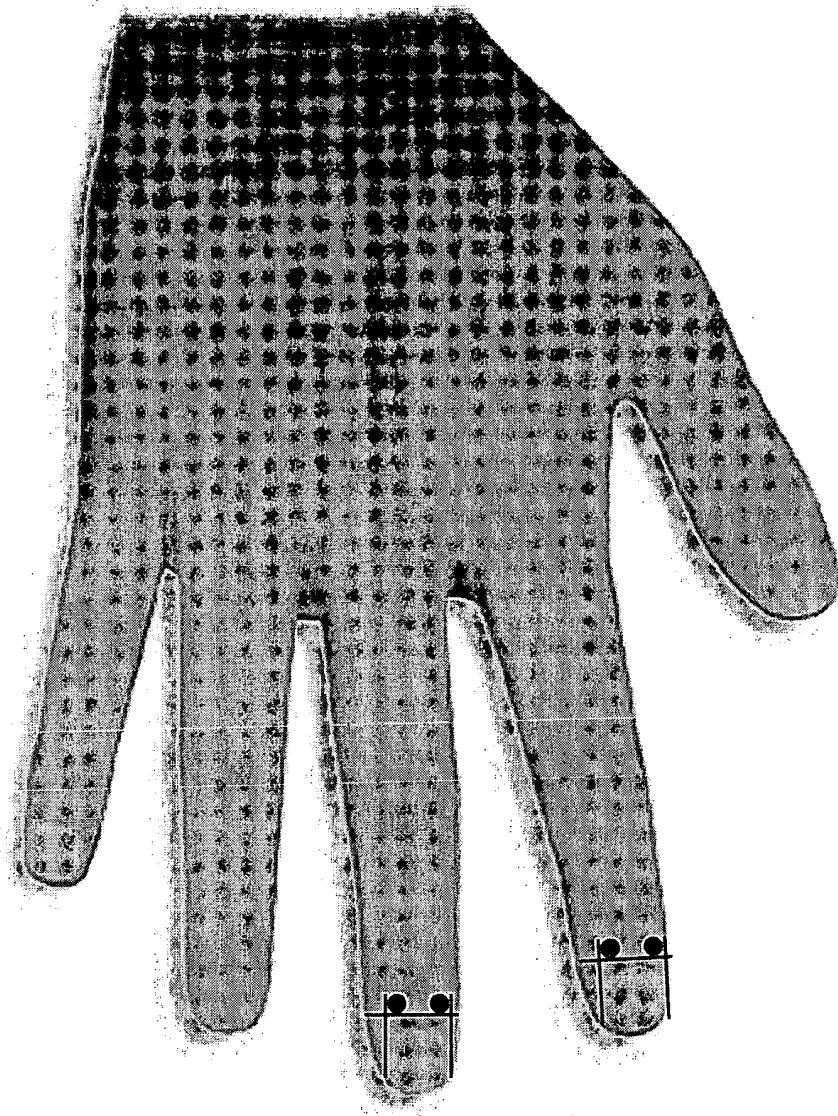
1. Using the probe, you should press with a very continual and slight increase in pressure—the reading will level off by itself, even if you continue to slightly increase pressure.
2. You should see a complete, circular indentation in the skin where you have just taken a reading.

Common Mistakes
1. Pressing too rapidly and causing inflammation in the skin.
2. Pressing too close to the cuticle and causing inflammation in the skin.
3. Placing the probe tip at the wrong angle and allowing a side of the tip to gouge the skin and cause inflammation.
4. Forgetting to have the client wash their hands. Hand lotions often block the flow of current, resulting in a false low value.
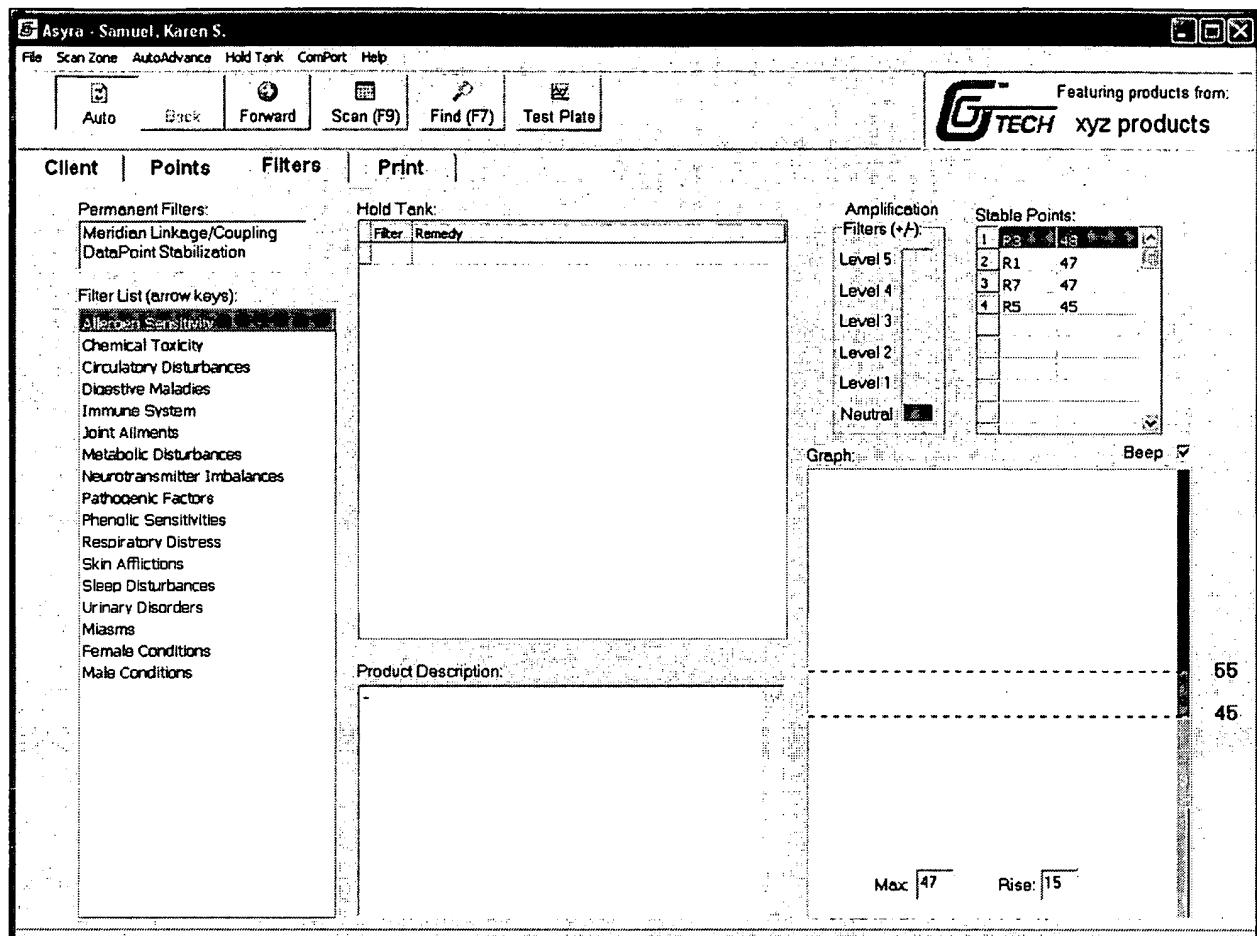
Filters are designed to stress the body with certain conditions. If the body can maintain its homeostasis, the reading will stay in the green zone; however, if any organ or system responds adversely, indicating an existing or underlying problem, an imbalanced reading (above 55 or below 45) will result. In this case, the system will automatically load the products/remedies in the scan box; these remedies are customized to balance against each filter. You then scan for the product/remedy that restores balance and place it in the hold tank.

There are three different ways that you can use the filters—you can test through all the filters automatically, you can select only the ones you want to test, or you can apply the **Amplification** mode to any filter to gather more data.
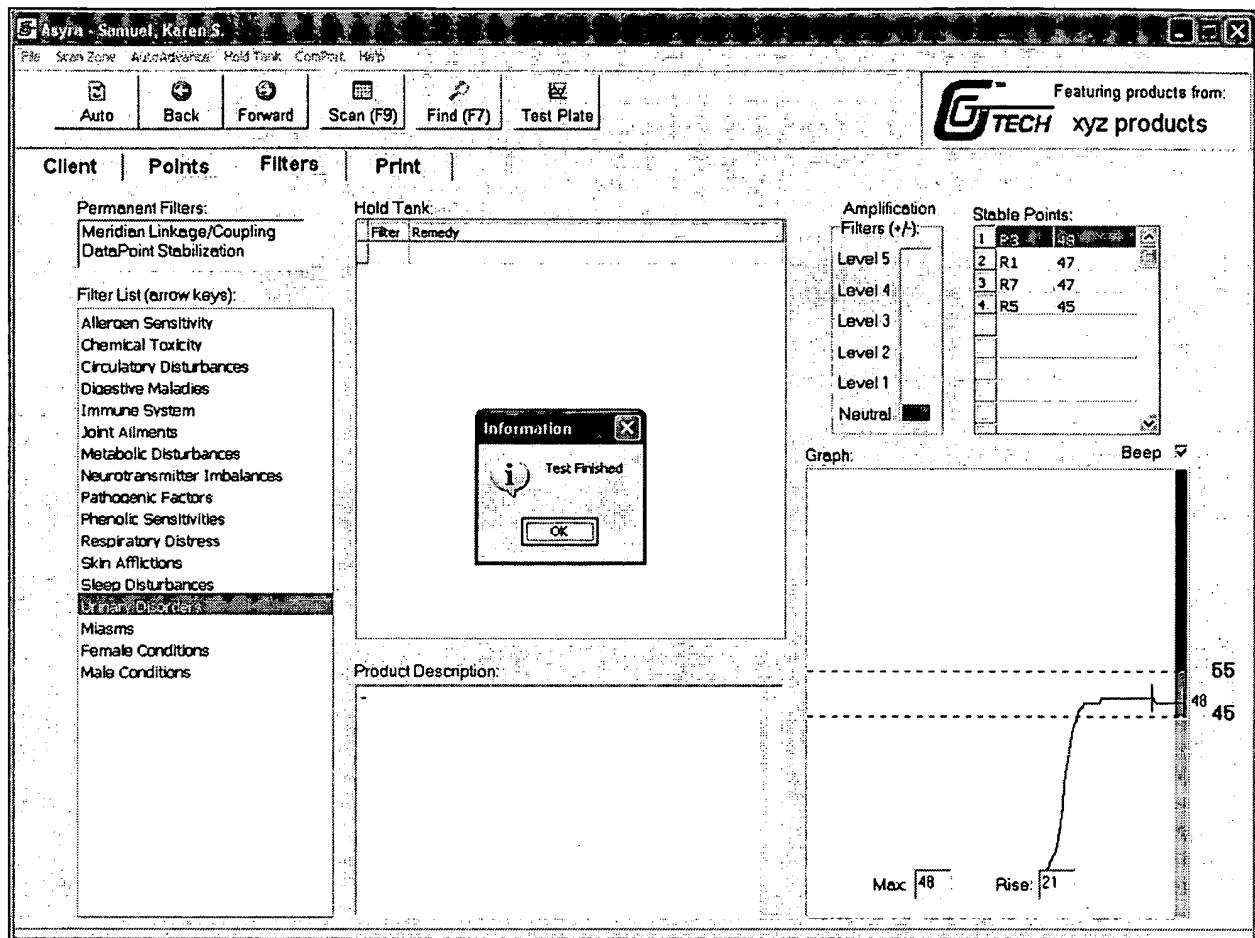
To test only the desired filters for this client, press the **Up/Down** arrow keys to move through the filter list—or you can click on any filter.

Take a reading using one of the stable points from the list. If the filter does not cause an imbalance, select another filter on the list. However, if the filter does cause an imbalance it will automatically load the products/remedies to scan to find the solution.

Once you have scanned for and identified the specific product/remedy, you must place it in the hold tank (**Enter** key). Then select the next filter you want to test, and continue the process until you have tested all the filters you want for this client.

NOTE: When the scan is finished, press the **Enter** key again to close the scan window, or click on the **Close** button.
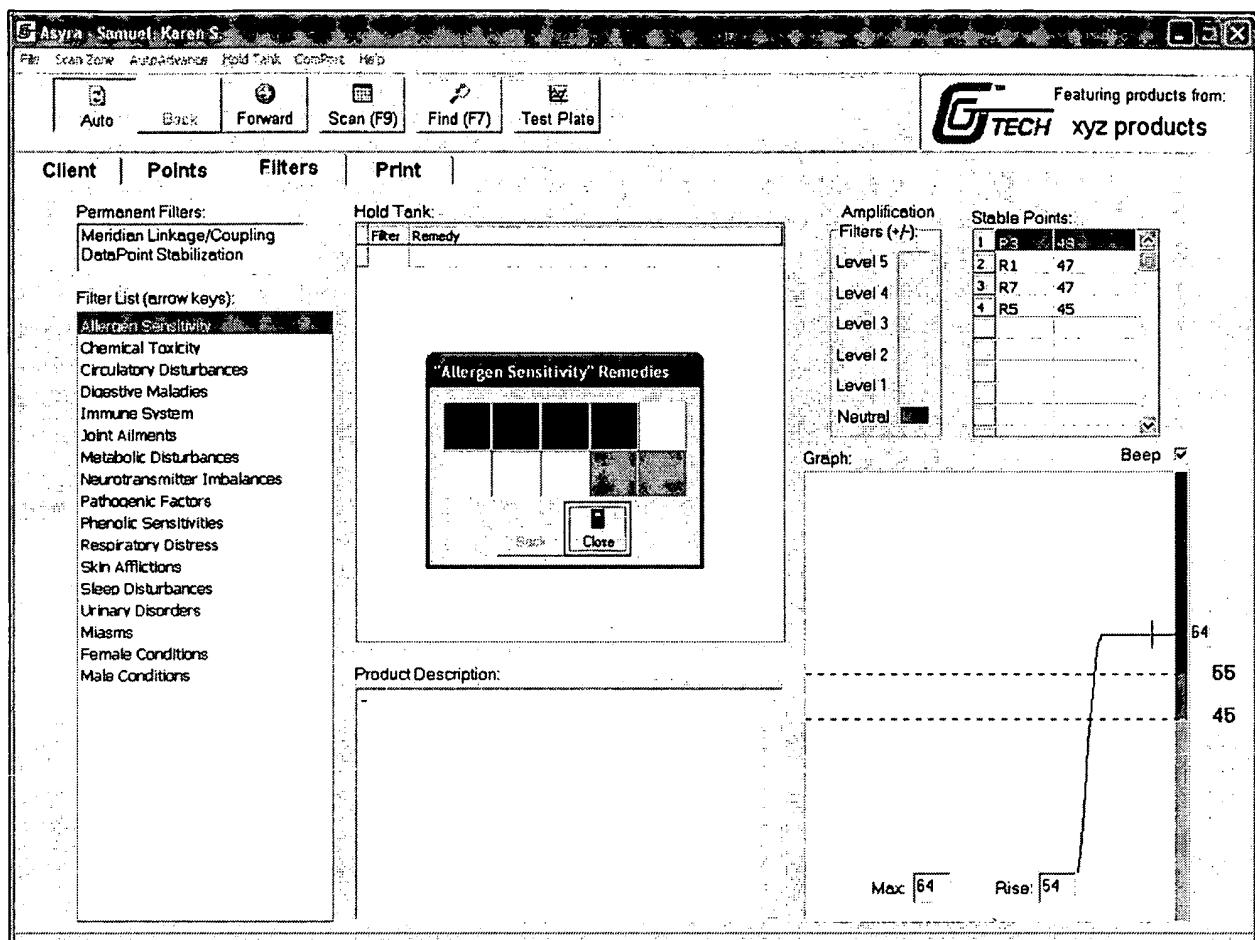
To test through all the filters first turn on the AutoAdvance by clicking on the **AutoAdvance** button. Take a reading using one of the stable points from the list. Test the filter—if the filter does not cause an imbalance, the computer will advance to the next filter on the list. However, if the filter does create an imbalance, it will automatically load the products/remedies for you to scan to find the solution.

Once you have scanned for and identified the specific product/remedy, you must place it in the hold tank (**Enter** key). The computer automatically moves to the next filter and you continue the same process.

NOTE: Pay special attention to the Male or Female Conditions at the bottom of the list. Use the **Up/Down** arrow keys to select/skip the applicable filter.

NOTE: When the scan is finished, press the **Enter** key again to close the scan window, or click on the **Close** button.
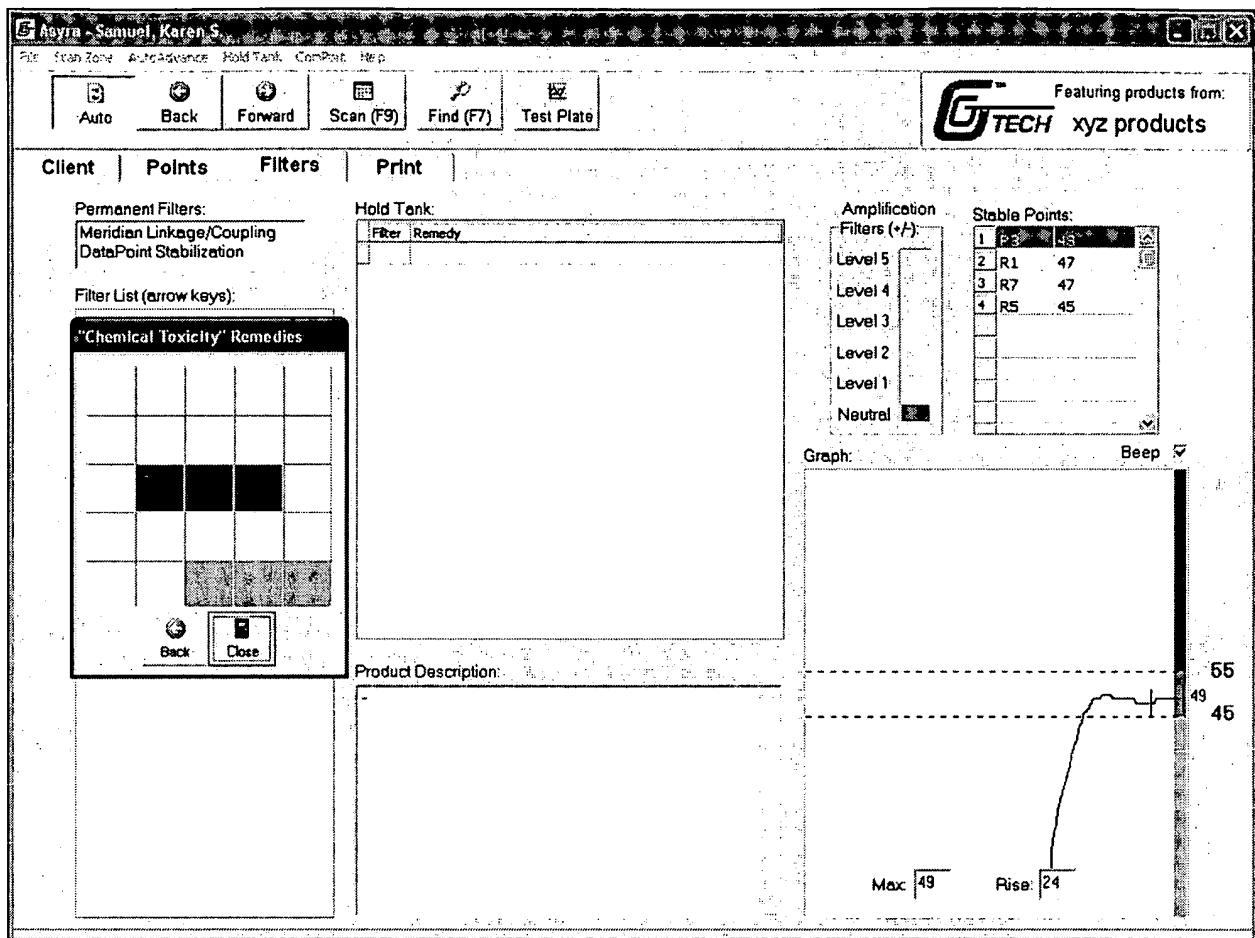
The **Remedy Scan** employs a process of elimination to determine which of the products/remedies are the most appropriate for your client. The goal is to narrow a large list of potentials down to the single, most effective item.

NOTE: As you look at the Remedy Scan window, the red boxes represent "active" product/remedy signature(s) that are being evaluated by the current step of testing; the white boxes represent "inactive" product/remedy signature(s) that are not being evaluated by the current step; the gray boxes indicate that no remedy is assigned to that position.

First, a selection of remedy "signatures" is sent to your client. The computer splits this list and tests against all items in one half of the list. When you take a reading, the aggregate reading for that group of products will either fall: **a)** in the green zone or **b)** in the red and yellow zones on the point reading graph.

If the aggregate reading falls in the red or yellow zones of the graph, the items just tested are discarded as ineffective. If, however, the reading falls in the green zone of the

graph, the untested portion of the list will be discarded instead.

After each point reading, the computer splits the remaining portion of the list in half, testing for effective items and eliminating ineffective items, until the list is narrowed to the single most effective item.

NOTE: If you choose to turn off the **AutoAdvance** feature and move through the Remedy Scan manually, take a reading, then simply click on the **Yes** button if the reading is in the green zone; click on the **No** button if the reading is not in the green zone (above 55 or below 45). By doing this repeatedly, you will move through the scan until the list is narrowed to the single most effective item.

NOTE: Normally, you will be able to move consisently through the testing process—narrowing your search from a large list of items to the single most effective item—without error.

Occasionally, a message saying "Skin inflamed, move to another stable point and rescan" will appear at the end of the testing process. This can occur for two reasons: either the skin at the data access point has become inflamed, or you simply made a mistake in taking a point reading. If this occurs, just rescan.

NOTE: Each time you start the initial step of the Remedy Scan function, each product/remedy selected for the testing process is randomly assigned to a box. It remains assigned to that box, whether the box is red or white, until the testing process is complete. When, or if, you choose to initiate a new Remedy Scan, each product/remedy is again randomly assigned. This random reassignment helps ensure testing objectivity by making it impossible for the operator to "guess" or "memorize" which box represents a particular item.

NOTE: Products/remedies that have already been placed in the hold tank are never included in a new Remedy Scan.
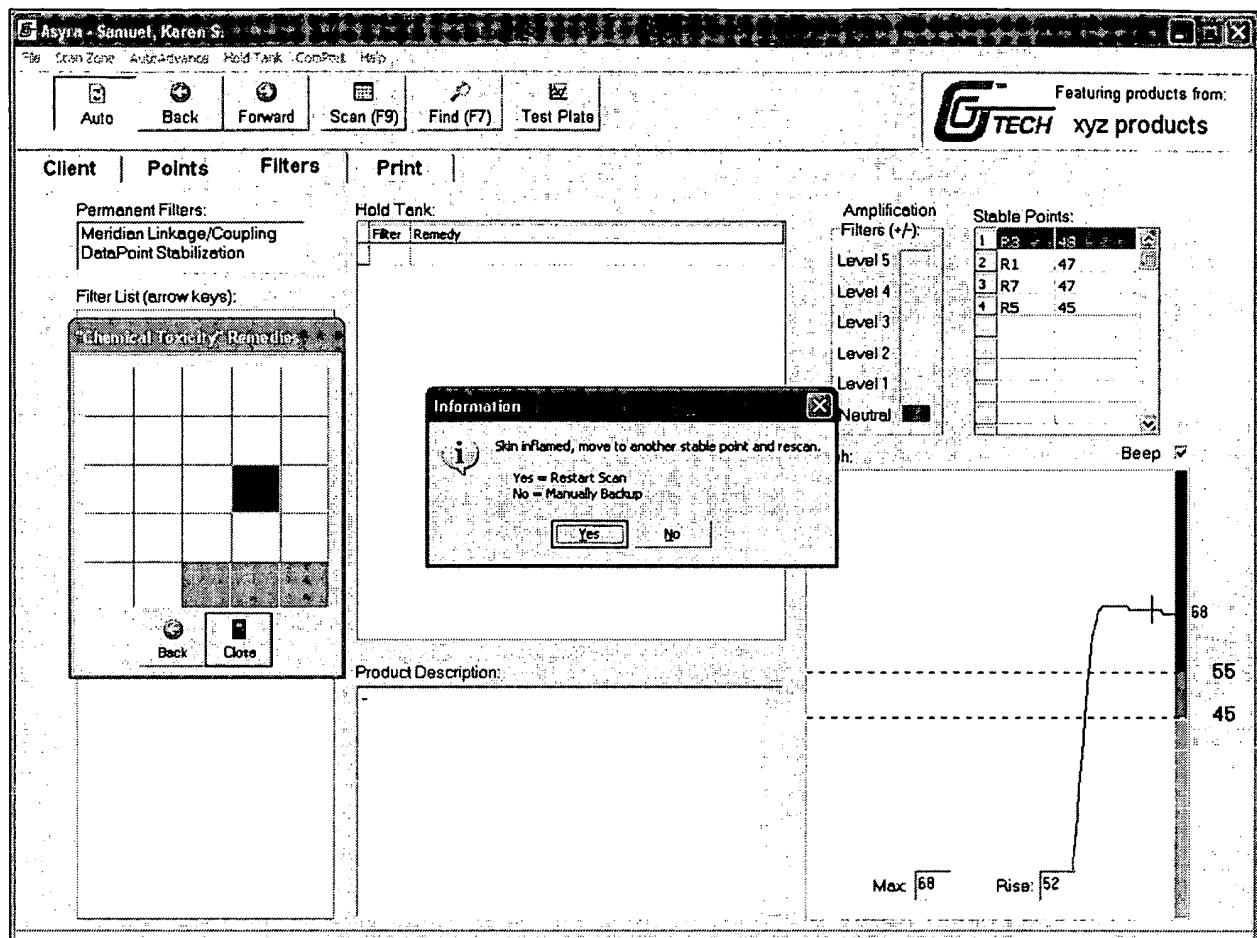
If this message appears during the scanning process, move to another stable point and either restart the entire scan or backup (reload) the last few products/remedies.

If you select **Yes** (default), the system will automatically reload all of the remedies in the scan box.

If you select **No**, you will need to click on the **Back** button to reload as many/few of the last remedies as desired and then continue the scan.

NOTE: Be sure to use another point from your stable points list.
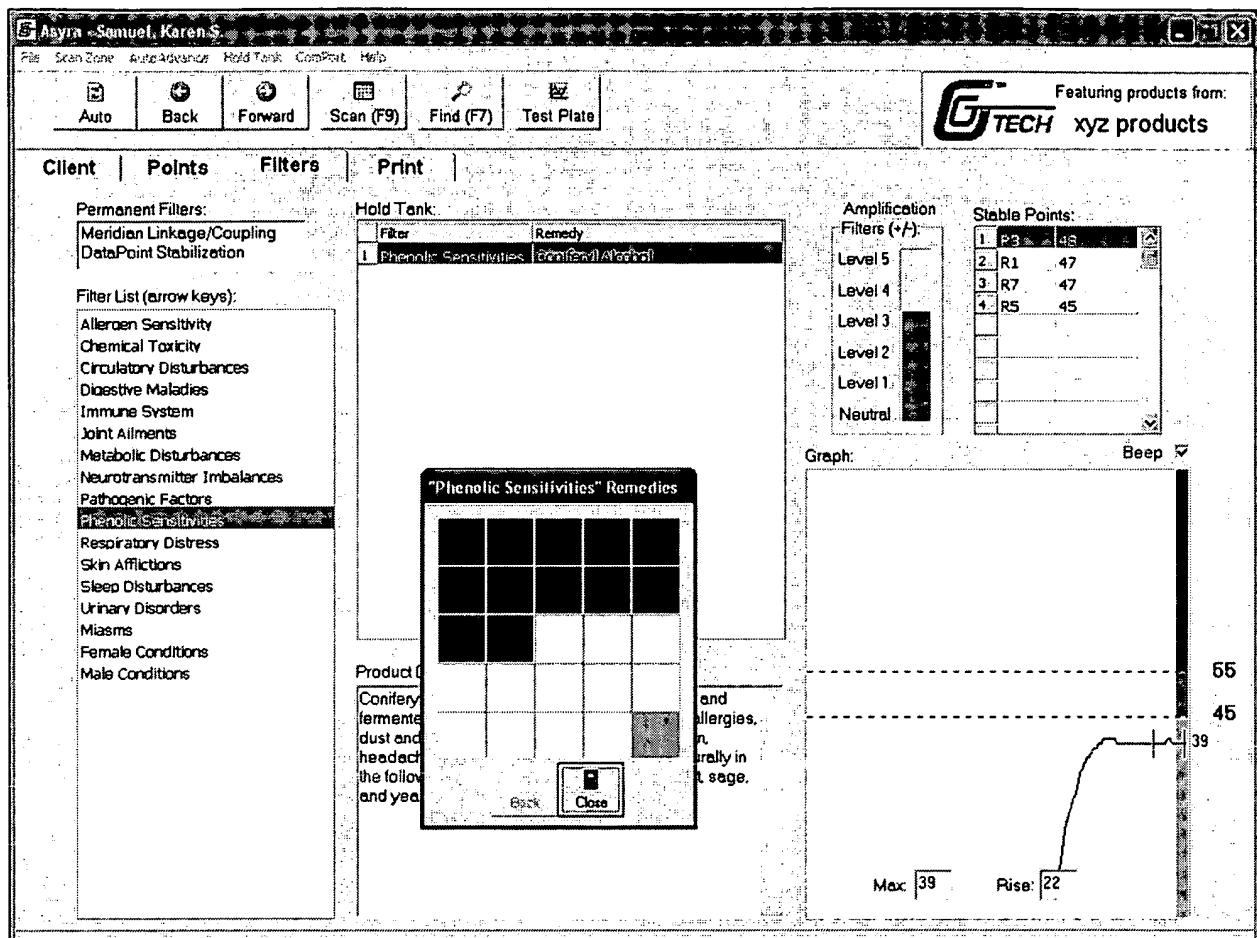
By using the amplification filters, you increase the intensity/amplitude of the filter signal to the body, revealing hidden or deep issues.

First select the filter to be tested, then use the **+** key to increase the filter amplification level. (Example: From your filter list click on **Phenolic Sensitivities**, press the **+** key, and take a reading. If the filter causes an imbalance, it will automatically load the products/remedies to scan to find the solution. Press the **+** key to again increase the intensity level and take a reading. You can continue this process through the five amplification levels.)

NOTE: Not all amplification levels will cause an imbalance. This method is of great value in finding dormant pathogens, hidden toxins, and allergies that a client has but is not experiencing at this exact moment.

NOTE: Using the amplification filter deactivates the AutoAdvance mode for filters. To reactivate, go to the pulldown menu, click on **AutoAdvance,** and then click on **Filters**.
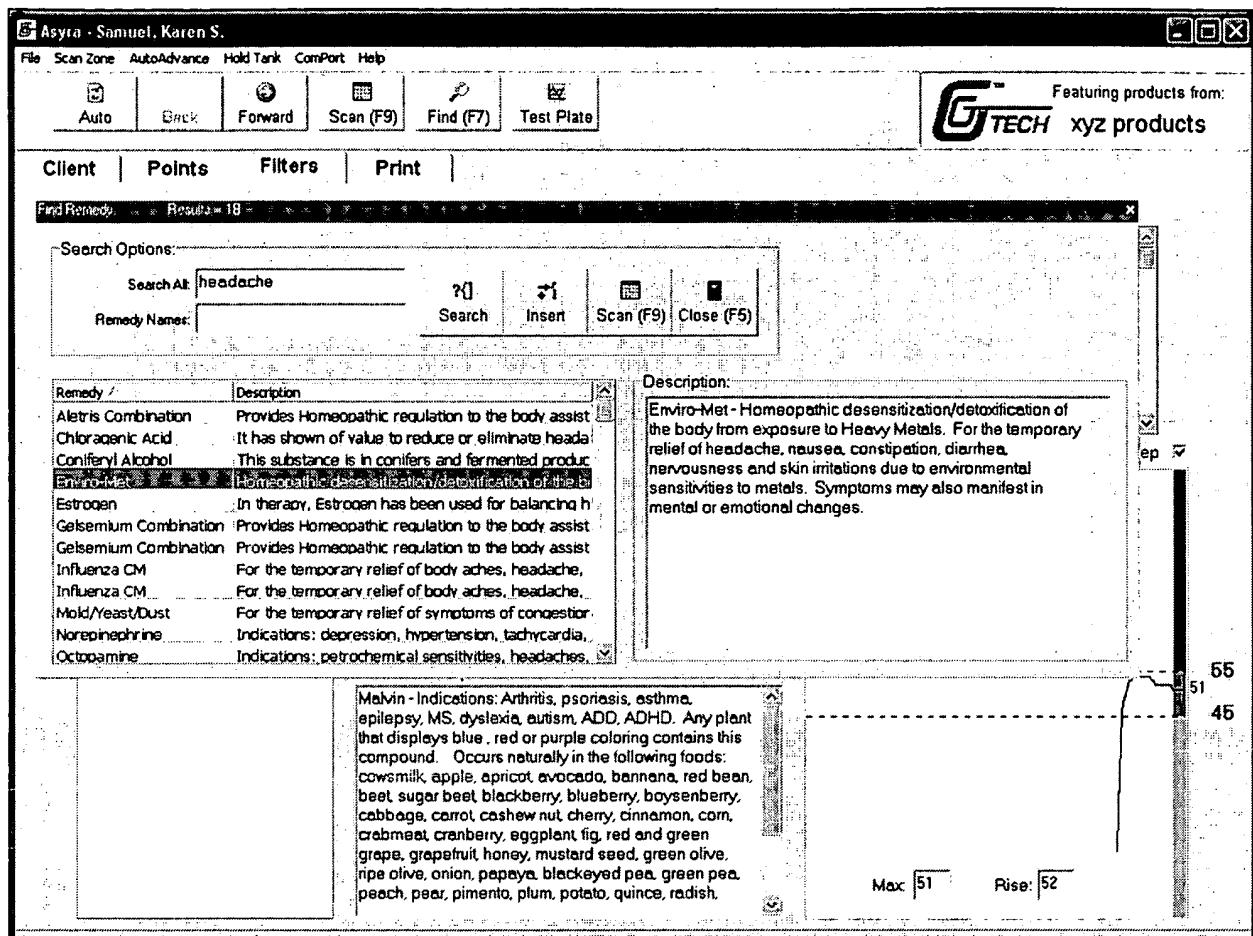
The **Find** function (**F7**) allows you to search for products that contain the word(s) or symptom you want to find. Type the word, then click on the **Search** button.

Search All searches both the Product Descriptions and the Remedy Names for the word you entered. It also creates a list of the products/remedies that match. **Remedy Name** searches only the product names for the word you entered.

You can click on (highlight) any found product/remedy and test the client's response to the individual product; or you can press **F9** and scan for the best remedy.

NOTE: The Asyra™ contains complete descriptions for all of the products in the database.

NOTE: You can close the **Find** window by pressing the **F5** key.

Asyra - Samuel, Karen S.

File ScanZone AutoAdvance HoldTank ComPort Help

🖨 Print   📑 Preview

Featuring products from:
TECH xyz products

Client | Points | Filters | Print |

☑ Hold   ☑ Hold w/Product Descriptions

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1   ■ Immune System   Selenium Combination

Provides Homeopathic regulation to the body assisting homeostasis from symptoms of poor immune response and assists in eczema, acne vulgaris, allergies, scleroderma, impetigo, alopecia.

A. Rationale
Selenium Combination is formulated for stimulation of the general immune response in the widest variety of skin conditions such as dermatitis, allergies, scleroderma, acne vulgaris, erythematosus, dermatomycosis, condylomas, impetigo, neurodermatitis, microsporia, interdigital mycosis and alopecia. It also acts in the stimulation of natural dermal excretory functions, especially when these have been suppressed.

2   26.1 Digestive Maladies   Argentum Combination

Provides Homeopathic regulation to the body assisting homeostasis from symptoms of stomach discomfort, heartburn, colitis, bloatedness, gastritis, gastralgia, nausea, vomiting and epigastric pain.

A. Rationale
Argentum Combination has been formulated for the treatment of stomach discomforts, gastritis, hyperacidity, dyspepsia with or without diarrhea, duodenal ulcers, epi- and peri-pyloric syndromes gastalgia, nausea, vomiting and epigastric discomfort.

3   41.1 Find "headache"   Malvin

Indications: Arthritis, psoriasis, asthma, epilepsy, MS, dyslexia, autism, ADD, ADHD. Any plant that displays blue, red or purple coloring contains this compound. Occurs naturally in the following foods: cowsmilk, apple, apricot, avocado, bannana, red bean, beet, sugar beet, blackberry, blueberry, boysenberry, cabbage, carrot, cashew nut, cherry, cinnamon, corn, crabmeat, cranberry, eggplant, fig, red and green grape, grapefruit, honey, mustard seed, green olive, ripe olive, onion, papaya, blackeyed pea, green pea, peach, pear, pimento, plum, potato, quince, radish, rhubarb, strawberry, tomato, turnip, walnut, and watermelon. These patients may also be sensitive to blue and red food colorings.

4   ■ Phenolic Sensitivities Coniferyl Alcohol

This substance is in conifers and fermented products and is indicated for pollen allergies, dust and mold allergies, skin rashes, congestion, headaches, hayfever, and asthma. Occurs naturally in the following foods: asparagus, beet, sugarbeet, sage, and yeast mix.

You can print the hold tank with or without product descriptions by clicking on the corresponding box and then clicking on the **Print** button. The hold tank items will be printed in the order they were entered unless you want to sort alphabetically or by value; from the **Hold Tank** pulldown menu, select the method you want to use for sorting the hold tank.

NOTE: When sorting by value, the results are sorted according to the greatest deviation from 50.

NOTE: It would be wise to print a copy **without** the hold descriptions for yourself, and a copy **with** the hold descriptions for your client.

NOTE: You can click on the **Preview** button to see what the report will look like before actually printing it.
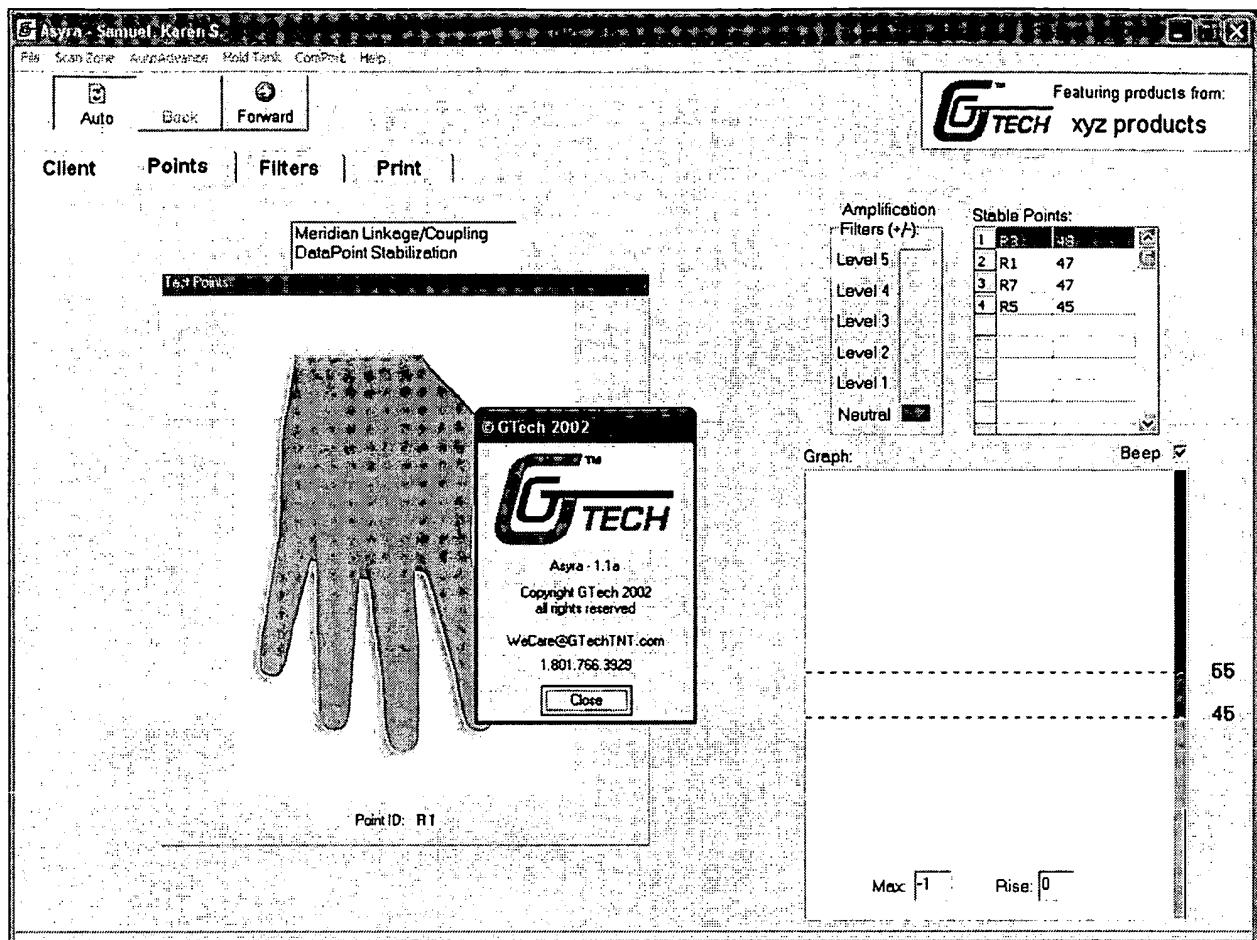
If you need help or have a question or comment, click on **Help** from your pulldown menu. The GTech telephone number is included there in case you want to talk to a customer support technician. You may also click on our e-mail address and send us your questions or comments.

NOTE: Your Web browser must be running before you click on our e-mail address.
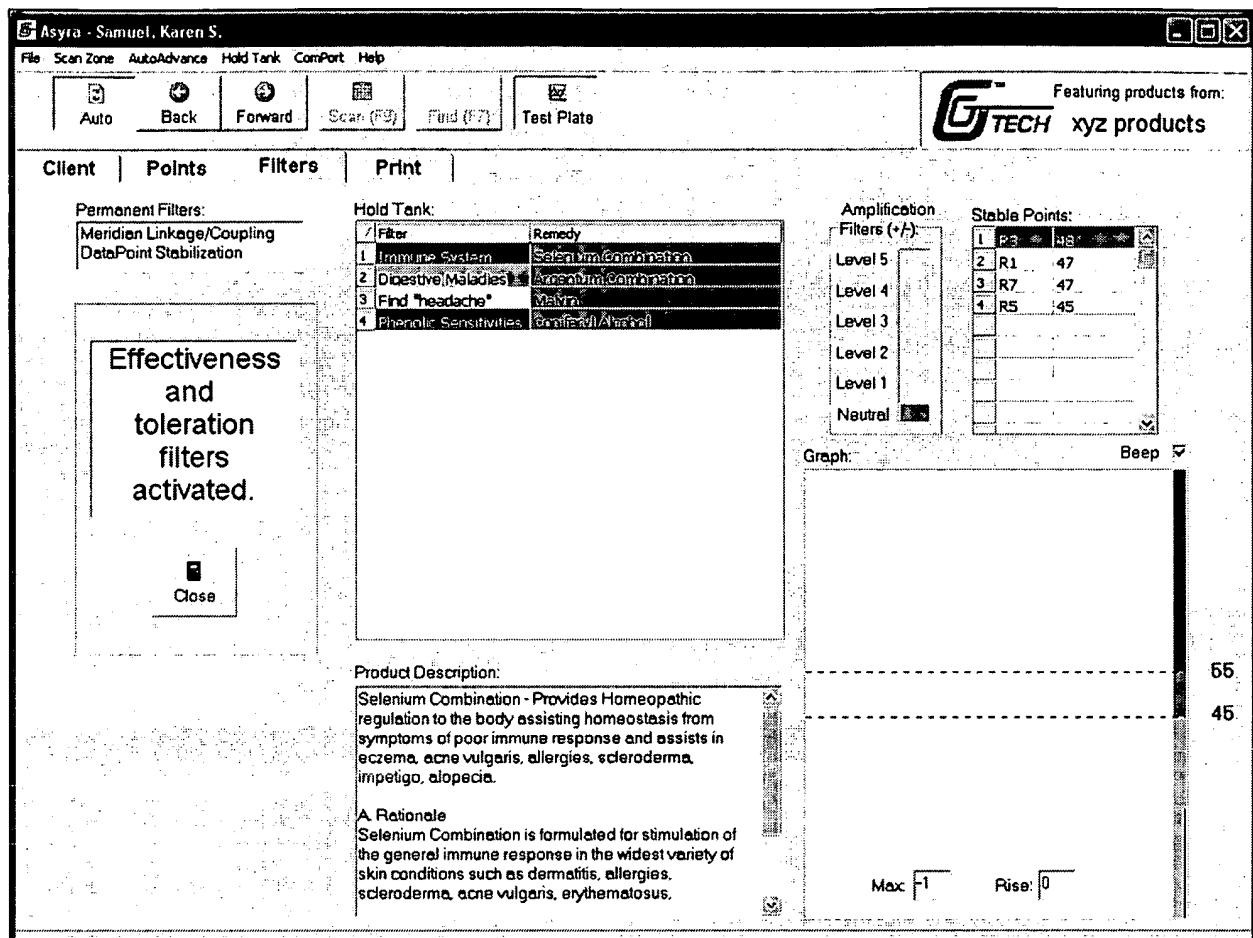
The **Test Plate** function allows you to test products/remedies that are not already included in the Asyra™ database.

This function is available only when you are in the **Filters** tab.

1. Click on the **Test Plate** button.
2. Place an item on the test plate.
3. Take a reading using any data access point from your stable points list. (If the reading is in the green zone, the item is of value to the client. If the reading is outside the green zone [above 55 or below 45], the item is not of value to the client.)
4. When finished testing items, click the **Close** button.

NOTE: For the reading to stay in the green zone, it must meet two criteria. First, the item must be effective for this client. Second, the item must be energetically compatible with the client's physiology. If either, or both, of these criteria are not met, the reading will fall outside of the green zone.
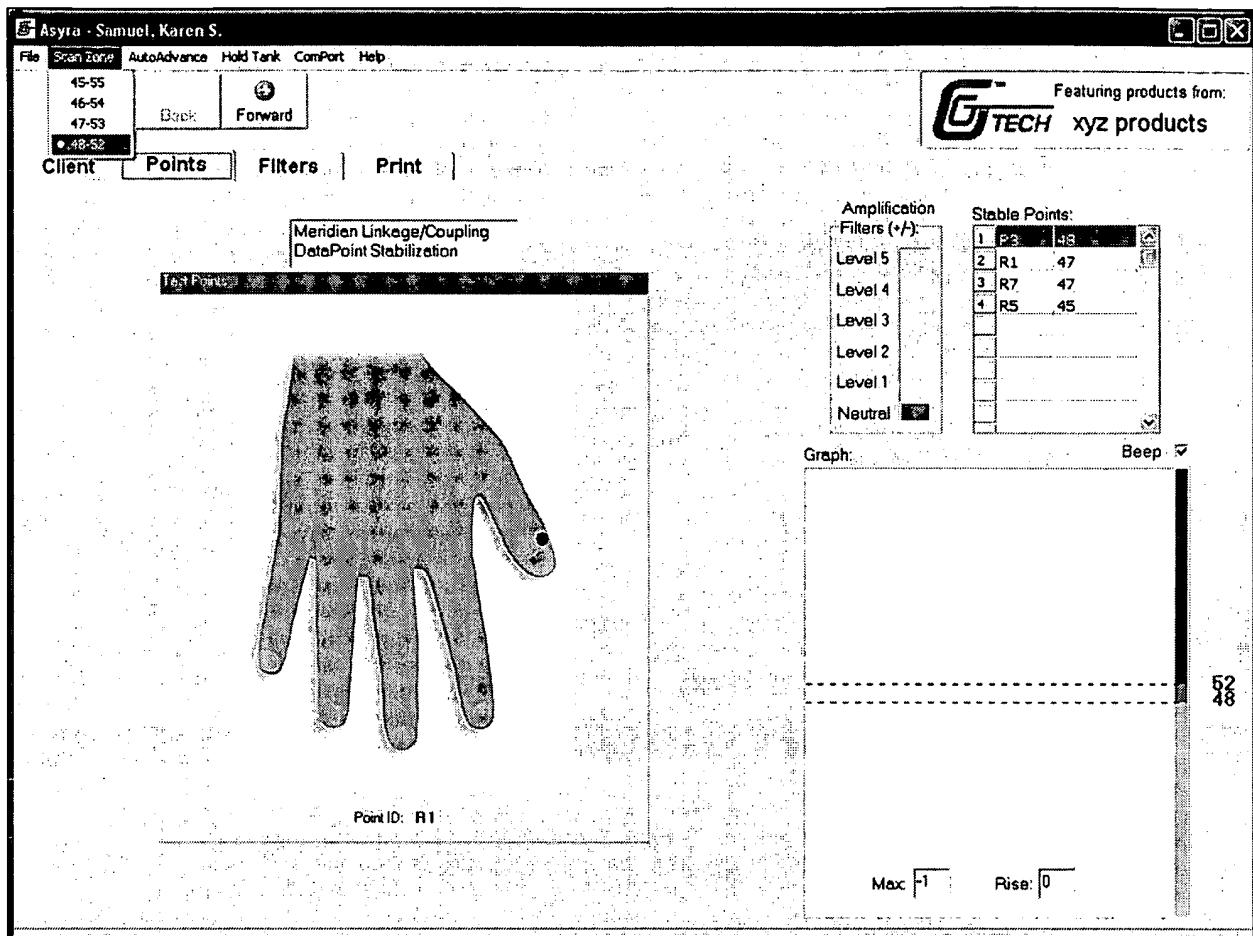
As your skills in taking point readings improve over time, you may want to narrow the Asyra's measurement parameters (the targeted "green zone" displayed during each of the Asyra™ operations).

To change the measurement parameters, select **Scan Zone** from the pulldown menu, then click on the range you prefer to use.

NOTE: Changing these values simultaneously affects the parameters used for stable points, filter testing, and the remedy/product scan.

The enclosed CD contains useful documents for your practice: a **Patient Questionnaire** for assessing patient condition prior to testing; a **Practitioner's Checklist** that allows you to indicate specific tests for your technician to perform; and an **Informed Consent Form** that all patients must sign to verify that they understand the procedure and consent to be tested as described.

You may print as many of each document as you wish. Simply open and print the desired documents or take the CD to your local copy shop and have them print the documents for you. These documents are saved in **PDF** format. **Adobe® Acrobat® Reader®** is free software that lets you view and print Adobe Portable Document Format (PDF) files. If this software is not already installed on your computer, you may select and download the free version that is appropriate for your PC operating system from Adobe's Website at **http://www.adobe.com/products/acrobat/readstep2.html**

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We hope you find these articles of value.

G-Tech

- **Subject: Reproducibility of Point Readings**

There were 34 subjects measured on two occasions in this study with 44 points measured 4 times on each occasion for a total of 11,968 readings. The results showed a mean deviation of 0.70 respectively. The readings were taken by Mark Galloway a long-time and accomplished practitioner in this field. Nancy R. Roberts, Ph.D., C. Norman Shealy, M.D., Ph.D., William A. Tiller Ph.D. "Are there Electrical Devices that can Measure the body's Energy State Change to an Acupuncture Treatment?"

- **Subject: Allergy Desensitization**

Meridian stress assessment seems to be at least as reliable, and probably more reliable, than other forms of allergy testing available. It is much safer than skin or challenge testing, since exposure to an allergenic substance is minimal. It is also much more pleasant for the patient than skin testing, since this form of testing is relatively painless. There are also no unpleasant adverse reactions, which may last for many days with skin or challenge testing. Meridian assessment is usually much less expensive and helps to eliminate trial and error treatment dosages. Dennis W. Remington, M.D. "A History of Meridian Stress Assessment"

- **Subject: Electrical Skin Conductance in diagnosis**

In clinical practice, EDS instruments are useful as diagnostic supplements to blood tests, radiographic imaging, and case histories historically and currently, EDS instruments characterize differences between inflammatory and degenerative conditions. The integration of reliable and valid bioelectric medical instruments into the clinical setting augments the ability to rapidly evaluate tissues which are difficult or impossible to asses by conventional test procedures. Quantitative analysis of Electrical Skin Conductance in diagnosis: Historical and current views of Bioelectric Medicine by Barbara Brewitt, Ph.D. Journal of Naturopathic Medicine Volume 6, Number 1

- **Subject: The Effects of Gender or Age on Point Readings**

This study was done on healthy subjects; 348 males and 135 females were studied for the bioelectric activities of the body using the principles of electro-acupuncture according to Voll. In spite of some

variance among testers there were no gender and age effects for all specific points studied. These findings should be important for consideration in using these measurements for medical diagnosis. Studies of Bioenergy in Healthy Subjects by Julia J. Tsuei, M.D., Chieh Chung, M.D., Frederick M.K. Lam, M.D., and Ming-pi Mi, Ph.D. American Journal of Acupuncture, Vol. 16, No. 2, April-June 1988

- **Subject: Bioelectric Homeostasis**

A homeostat is a hierarchical regulating structure, which in the process of its action maintains dynamic stability of some physiological parameter of the living organism. Bioelectrical homeostasis forms a first level homeostat that is united into a second level homeostat by the autonomic nervous system. The first level homeostat, bioelectrical, influences control through the autonomic nervous system which is responsible for the equilibrium in the internal systems of the body. Where meridians are regulator-executers that provide information to glands and organs that are regulator-controllers through the autonomic nervous system. Bioelectrical Homeostasis as a Component of Acupuncture Mechanism by G. Zukauskas, M.D., K.Dapsys, Biophysicist Acupuncture & Electro-Therapeutics Res., Int. J., Vol.16, PP.117-126, 1991

- **Subject: Bioenergetic Diagnosis and Conformation using Classical Diagnosis**

The selected eleven cases presented are reported from a family practitioner's office using Electroacupuncture According to Voll (EAV) diagnostic technique. Six cases had finding of malignant tumors, three were diagnosed as GI bleeding, one for acute inflammation, and one for chronic degenerative disease. All findings were confirmed by

classical means of diagnosis. Reprint requests should be addressed to: Julia J. Tsuei, M.D., Professor, International Health, School of Public Health, University of Hawaii, 1960 East-West Road, Honolulu, Hawaii 96822.

- **Subject: Electrical Properties and Responsive Behavior of Skin**

This article defines the conductance, capacitance, and resistance properties of both macroscopic and microscopic areas of human skin and the inter-relations with bioenergetic measurements. On the Explanation of Electrodermal Diagnostic and Treatment Instruments: Part I. The Electrical Behavior of the Human Skin by William A. Tiller, Department of Materials Science and Engineering Stanford University, Stanford, CA 94305

- **Subject: Electromagnetic Frequencies (Signatures of Items)**

The most straightforward expressions of useful electrical quantities are as complex numbers in frequency domain. This article goes on to explain how the body responds to these frequencies and how we can measure that response through specific locations on the skin. Dialectric Response in Human Skin by William A. Tiller, Department of Materials Science and Engineering Stanford University, Stanford, CA 94305

- **Subject: Bioelectromagnetics versus Biochemistry**

The National Institute of Health states that "bioelectrmagnetics essentially underlies biochemistry, in that chemical reactions of biological importance are mediated by the electromagnetic force." Bioenergetic Medicine offers the possibility of more economical and more effective diagnosis and noninvasive therapies for medical

problems, including those considered intractable or recalcitrant to conventional treatments. Electromagnetic Applications in Medicine NIH-OAM Panel Report by Beverly Rubik, Ph.D. and Robert G. Flower; National Institutes of Health, Office of Alternative Medicine, January 14, 1993

- **Subject: Radioactive Isotope Imaging of Meridians**

The work was conducted on over 250 healthy control subjects and on 80 patients with renal pathology. The work was conducted on patients form the Department of Urology and from the Acupuncture Department of Biophysics and Nuclear Medicine from the Necker Hospital in Paris with each experiment repeated several times. Morphological studies found those tracer migrations from acupoints in both healthy and sick patients followed the same identical pathways with those described as "meridians" in Chinese traditional medicine. The study also found that the rate of flow through the meridians was altered by chronic or acute pathology. Nuclear Medicine and Acupuncture: A Study on the Migration of Radioactive Tracers after Injection at Acupoints; American Journal of Acupuncture, Vol.20, No.3, 1992 by Jean-Claude Darras, Pierre de Vernejoul, and Pierre Albarede, C.H.U. Necker-Enfants Malades, F-75 743 Paris Cedex 15 France

- **Subject: Snapshots in Time**

Disease processes disrupt the body's normally balanced mechanisms. Current chemical analysis only captures "snapshots" that measure a brief time frame, creating the appearance of a static state where none exists. By measuring electrical resistance over time, EDS devices provide clinicians with a dynamic profile of these normal or distorted

oscillatory patterns. The evolving field of bioelectric medicine holds great promise for the early diagnosis of significant disease states and for earlier and more effective treatments. EDS: Auto-regulation & Cell Signal Enhancement by Barbara Brewitt, Ph.D., Bridges / ISSSEEM Magazine, vol.7, No.2, 1996

- **Subject: Meridians and Coronary Heart Disease**

This research found that there was a relation to diagnosed heart disease and the electrical resistance of tissues connected through a meridian pathway. They showed these electrical resistance values were specific and distinct for each type of disorder as well as chronic and acute interrelations. Characteristics of Reactive Electropermeable Points on the Auricles of Coronary Heart Disease Patients; Clinical Cardiology (16, 415-419, 1993) by Keijiro Daku, M.D., Ph.D.; Yoshito Mukaino, M.D., Ph.D; Hong Ying, M.D.; Kikuo Arakawa, M.D. Ph.D. (Department of Internal Medicine, Fukuoka University School of Medicine, Fukuoka City, Japan)

- **Subject: Medicine Testing and Physiological Response**

EAV has shown that each acupuncture point bears a direct relationship to a specific anatomical structure or physiological function in the body. A serendipitous discovery showed that when medicine, if correctly chosen, will change the reading values to a more normal level. The scientific validity of EAV and medicine testing has been firmly established over the past quarter century and a number of laboratory experiments are outlined to substantiate and corroborate this exciting advance in medicine. The Phenomenon of Medicine Testing in Electroacupuncture According to Voll by Reinhold Voll, M.D.; Richard-Wagner-Strasse 5, D-731 Plochingen, West Germany

- **Subject: Diabetes Mellitus**

This study demonstrated the effectiveness of medicine testing as a beneficial adjunct to the physician in determining the proper dosages of medicines prior to dispensing to the patient. It also showed that abnormally functioning organs, as indicated by testing the disease related acupuncture points, can be balanced by corresponding properly dosed allopathic medicines or homeopathic remedies and nosodes. Study on the Bioenergetic Measurement of Acupuncture Points for Determination of Correct Dosages of Allopathic or Homeopathic Medicines in the Treatment of Diabetes Mellitus by Fred M. K. Lam, M.D., Julia J. Tsuei, M.D., Zixian Zho, M.D.; American Journal of Acupuncture, Vol.18, No.2, 1990

- **Subject: Skin Impedance is Frequency Sensitive**

A special differential electrode was designed to perform continuous press intensity against the skin. The study revealed that the impedance readings would respond differently to set ranges of frequencies and intensities. Active Acupuncture Point Impedance and Potential Measurements by Jacob Fraden, Engineering Design Center Case Western Reserve University, Cleveland, Ohio 44106; Am. J. Acupuncture, No.2, Vol.7, April-June 1979

- **Subject: The Process of Healing**

Injury to tissues represents a source of release of energy, leading to structural modifications in tissue. Artificial activation can even lead to beneficial effects in disease. This energy gives rise to a physiochemical potential difference in relation to surrounding non-injured tissue. This book goes on to explain the relationship between meridians, tissues,

and how they are affected by something as small as one ionic charge. Biologically Closed Electrical Circuits by Bjorn E. W. Nordenstrom, M.D.; Nordic Medical Publications

- **Subject: Pictures of GSR or Acupuncture Points**

Galvanic Skin Response clearly demonstrates the presence of an organized system of highly electroconductive points on the human skin. The techniques described in this article allow photography of these points and how they relate to the autonomic nerve reflexes. The photographed points form distinct organized patterns on the skin which closely correspond to the points noted on oriental acupuncture charts. Direct Observation and Photography of Electroconductive Points on Human Skin by Ralph J. Luciani, D.O., Ph.D; 125 Fry Boulevard, Suite 4, Sierra Vista, AZ 85635; Am. J. Acupuncture, No.4, Vol.6, Oct-Dec 1978

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- Homeopathy Remedy Guide by Robin Murphy, N.D., 1946 pages; available from homeopathyworks.com - This lists and describes the action of all 1,200 homeopathic singles. <\li>

- Lectures on Homeopathic Philosophy by James T. Kent and Dana Ullman; available from barnesandnoble.com - This book provides a foundation to understand Homeopathic laws, principles, and action of cure.